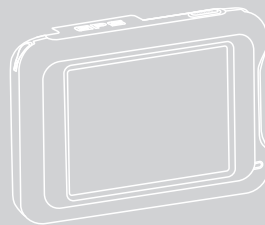


User's Manual

Global Positioning System
In-Car & Portable Navigation

WorldNav 3300



Disclaimer

Use the WorldNav at your own risk. To reduce the risk of unsafe operation, please carefully review and understand all documentation related to this product. It is the user's responsibility to use this product prudently. This product is intended to be used only as a navigational aid and must not be used for any purpose requiring precise measurement of direction, distance, location, or topography. Statistics provided such as trip time are best estimates and may not accurately reflect true conditions. The Global Positioning System (GPS) is operated by the United States Government, which is solely responsible for its accuracy and maintenance. The system is subject to changes which could affect the accuracy and performance of all GPS equipment.

For use in vehicles, it is the sole responsibility of the owner/operator of the Tele Type GPS WorldNav to place and secure the GPS unit so that it will not interfere with the vehicle operating controls and safety devices, obstruct the driver's view of driving conditions, or cause damage or personal injury in the event of an accident. Do not mount the TeleType GPS WorldNav in a place where the driver or passengers are likely to impact it in an accident or collision. The mounting hardware supplied by TeleType Co. is not warranted against collision damage or the consequences thereof.

When used in vehicles, it is the sole responsibility of the driver of the vehicle to operate the vehicle in a safe manner, to maintain full surveillance of all driving conditions at all times, and not become distracted by the GPS system to the exclusion of safe driving practices. It is unsafe to operate the controls of the GPS system while you are driving. Failure by the driver of a vehicle equipped with a Tele Type GPS system to pay full attention to operation of the vehicle and road conditions while the vehicle is in motion could result in an accident or collision with property damage and personal injury.

TeleType provides mapping information and programming with the understanding that it is not guaranteed to be accurate, correct or complete and conclusions drawn from such information are the responsibility of the user. While every effort has been made to ensure the accuracy, correctness and timeliness of materials presented, the maps cannot be relied on as the sole source of information for a driver. TeleType assumes no responsibility for errors or omissions.

IN NO EVENT SHALL TELETYPE CO BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR

CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT OR FROM DEFECTS IN THE PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE

LIMITATIONS MAY NOT APPLY TO YOU.

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1. Notices

1.1 Information Instruction

The navigation system uses the most advanced satellite navigation technology and a detailed street map so it can direct you to the destination easily. For best results, read these instructions before operating.

Illustration



Warning

Users shall comply with the information provided in case of any threat to personal safety.



Caution

Users shall comply with the information provided in case of any damage to this device.



Tips

Additional information provided for user reference.

Global Positioning System is launched and maintained by USA. This system can receive the satellite signals from the Global Positioning System. Using these signals the system will show your current location and provide you with directions to your desired destination. This navigation system will select a route based on the preferences you select in the software. A driver familiar with the local roads may prefer an alternate route.

This navigation system can provide visual map and voice instruction. As you approach an intersection where you need to turn, the device will remind you of your distance to the turn and the direction.

1.2 Safety Information

1. Obey all traffic rules and be able to operate the vehicle safely.

2. Do not operate the system while driving. The system distracts the drivers' attention, and should only be used when the vehicle is stopped.

3. Do not depend only on the voice navigation, which is only for reference.

Roads, traffic signs and service information constantly change; therefore drivers should refer to current road signs when navigating. Roads change often; drivers should take care to update maps as they become available.

4. You must notice traffic patterns before following the system information.

5. This navigation system is intended to assist drivers in making judgments about suitable routes. Please read the Disclaimer at the beginning of this guide.

1.3 Safety Caution

In order to prevent injury or property loss, please read and follow the following precautions:

1. Read all instructions.

2. Keep these instructions in an appropriate location for later reference.

3. Follow all operation instructions.

4. Accessories

Do not use accessories from another manufacturer; this may equipment malfunction.

5. Power

Only use the stated power. You must turn off the power and disconnect the power plug on rainy days or when you won't use the unit for a long time.

6. Protect the power cord.

Make sure the power cord is out the path of foot traffic.

7. Installation and Wiring

In order to ensure safety, hire professionals to do the installation and wiring.

8. Keep away from heat.

Do not expose the device to sunshine or high temperatures. Keep it away from heaters, generators or any other heat-producing objects.

9. Keep away from water, rain, and damp places.

10. Cleaning

To clean, wipe the device with dry and soft cloth after power-off. Do not clean with volatile chemicals like gas or a diluting agent.

11. In the event of any of the following conditions, immediately turn off power and contact a technician: Power cord or jack damaged;

Liquid or particle enters into the device;
The device is damaged due to falling from a high place or incorrect operation.

13. LCD

Protect the LCD from dropping. If the LCD does fall and shatter, do not touch the liquid flowing out of the device. Do not heat or scratch the LCD.

1.4 Special Tips

1. How does weather affect the instrument?

Severe weather like rain, thunderstorms or lightening will cause weak signals, which will result in unstable operation of the instrument.

2. What factors may affect the GPS signal?

- Close proximity to military bases. For security reasons, the signal precision for civilian use is lower than that of the army. Therefore, precision of positioning may be reduced.

- Weather factors (inclement weather may reduce the intensity of signals and result in unstable orientation).
- Positioning of the GPS unit within the vehicle:
 - Other devices may emit electric, electromagnetic, or wireless waves or have a strong magnetic field.
 - Placing the device close to the windshield will help maximize the signal by minimizing interference from tall buildings, cars, heat insulation covers, metal objects and trees.

3. Why does the device not receive signal inside buildings?

The GPS can't be used in buildings because the signals are easily obstructed by buildings and metals, and they can't penetrate through the walls of buildings.

4. Does the windshield affect the GPS signals?

If the windshield contains metal, it will have some effect on the GPS.

5. How long does the GPS take to position after being switched on?

On average, the device will take approximately 1 minute to calculate your current position in an open space where interference is minimal. In general, it takes about 5 minutes or less, as in accordance with standard GB/T 19392-2003-5.3.

6. What is the maximum battery time?

The device will run smoothly for a maximum of 3-4 hours with the screen brightness set to 50%.

7. What is the maximum charging time?

The device will be fully charged in 3-3 ½ hours under standby mode. The device can also be charged when in use, although charging time is longer. It is normal for the unit to heat up while charging.

8. What advantages does your GPS hardware have?

It supports fast lock-in, stable signal, service at no charge, a detailed map for each city, voice navigation for the whole journey, intelligent route layout, Microsoft Windows CE.net operation system, audio and video file support, Mp3/MP4 and picture browsing; SD/MMC card support; 3.5 inch TFT touch screen with 65K colors, internal GPS antenna and high capacity rechargeable Li-polymer battery.

9. Normally, how many satellites can the GPS receiver capture?

Normally, most GPS receivers can capture 8-12 satellites.

10. Why don't some of the WMA files play?

Software is used to decode WMA files. Music that was not obtained legally may not be supported by this software. Make sure that the music is obtained legally. WMA files are copyright protected.

11. How can I keep the device from crashing when turning on the car?

Disconnect the GPS unit from the adapter to avoid device crashes during car startup.

2. Brief Introduction

2.1 Function Introduction

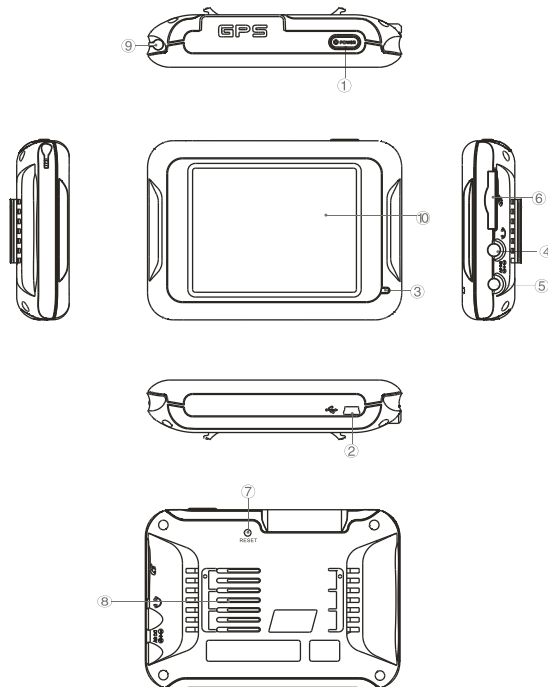
- >GPS Navigation
- >Video format: supports ASF, AVI, WMV, MP4, 3GP
- >Audio format: support WMA, MP3 and W AV
- >Support LRC and Synchronized L yric Information Display
- >Photo format: support JPEG, BMP , PNG
- >E-book format: support TXT
- >Integrated speaker
- >Support SD/MMC card
- >Connect with PC directly to transmit the data.

2.2 What's in the Box

Before using the device, make sure you have all the accessories listed below. If any of the accessories are missing or damaged, please contact the local dealer or agent as soon as possible.

- >GPS Device with customized SD card installed
- >AC Adaptor
- >Vehicle Charger
- >USB Cable
- >Vehicle Mount
- >User Manual

2.3 Illustration




- | | |
|---------------------|---|
| 01. Power Key | Power on/off/sleep |
| 02. MINI USB Port | Exchange the data with PC |
| 03. Power Indicator | The red light indicates charging, while the green light indicates fully charged. |
| 04. Power Jack | |
| 05. Earphone Jack | |
| 06. SD card slot | |
| 07. Reset Key | When the device is crashed halt or works abnormally , press reset key to reset The system |
| 08. Speaker | |
| 09. Touch-pen | |
| 10. Display Screen | |

3.Basic Operation

3.1 Battery and Charge

3.1.1 Power Supply

In addition to the built-in lithium battery, you may power the device using the cigarette adapter cord or the AC power adapter. When the device is not connected to the adapter, it is powered by the lithium battery.

The icon  at the top right corner on the device's main menu indicates the current remaining power. When the device is connected to the adapter, it is powered by the external power source.



Tips

【Tips】 Under normal conditions, the battery can last about 2~3 hours when the battery is fully charged. The actual time of power supply depends on how the device is used. Some functions, like audio/video playing and high backlight, use more battery energy.

3.1.2 AC Adaptor

Use the AC adapter to charge the device before the first use.

1. Connect DC end of adapter to the power jack of device.
2. Connect the other end of adapter to the AC power jack.



Tips

【Tips】 When charging, the indicator is red, and the power icon at the top right corner on the main menu is the charge icon. After the device is fully charged, the indicator turns green, and the power icon at the top right corner on the main menu will be full.

3.1.3 Vehicle Charger

1. Connect one end of the Vehicle charger to the power input jack of the device;
2. Connect the other end with the Vehicle cigarette lighter adapter in order to supply power and charge up at the same time.



Caution

【Caution】 To avoid damage to the device, insert the Vehicle charger only after starting the Vehicle. If plugged in before ignition, the sudden electric current at startup could damage the GPS.

3.2 Basic Use

3.2.1 Power Key

1. Turn on: Hold the power button for three seconds.
2. Turn off: Hold the power key for three seconds and it will show the message POWER OFF MODE and then turn off.
3. Sleep mode: Press the power key for about one second, and the message, ENTERING SLEEP MODE will display. Before the device enters sleep mode, the indicator will be yellow. When you press the power key again, the GPS will automatically turn on and display the last state. Then the indicator will go out.

3.2.2 Reset Key

In the unlikely event that the device needs to be reset, press the reset key on the back of the device. The software and maps will remain on the system undisturbed. You may need to Reset the system under the following conditions: delay during menu mode switch; system unresponsive when attempting to click the icons; power key unavailable.



Caution

【Caution】 Place the Vehicle mount carefully. Do not block the driver's view. Do not place the device arbitrarily without attaching to the windshield. Do not place the device in the way of the airbag or in the area where the airbag would inflate in the event of a collision.

3.2.3 Vehicle Mount

The Vehicle mount consists of salver and bracket. While using the device in the Vehicle, make sure it is securely stowed in its mount on the windshield.



Caution

【Caution】 To avoid breaking the screen, protect the bottom of the device from vibration by resting on the dash if necessary.

3.2.4 SD/MMC Memory Card

Your device has been specially equipped with a Secure Digital (SD) card containing the navigation program and maps. Removal of the SD card will prohibit you from using the navigation feature of the device. Should updating the device be desired, you will be provided with a new SD card. To remove the SD card, push the card towards the device, the card will then pop out and you will be able to insert the new SD card instead.

3.3 Connection with Computer

In normal operation, there will be no need to use the USB port and cable. However, should it become necessary, you can connect the device to the computer using the USB cable. One end connects with PC and the other end connects with the device. 1. Data transmission: There are two new "mobile Disk" icons in my computer. After the device is successfully connected with the computer, the first icon represents the built-in flash drive; the second represents the SD card storage.

(If the SD card is not inserted, the second disk icon is unavailable). Then, you can use them as normal USB flash disks, with such functions as copying and editing the data between computer and device.



Caution

【Caution】 1. Do not erase or change the data in the built-in flash memory. This may cause a malfunction.
2. This system is based on Windows 98 operating system. Install the driver before operating the device. The communication between GPS and computer are based on the Windows 98 operating system or above.
3. When GPS is connected to a computer by USB cable, other device functions will not work.

2. Safely Remove: After logging out the system, remove the USB cable (it operates like the USB flash disk).

4. Function operation

The device supports navigation, audio playing, video playing, E-book, photo browsing, and system setting functions. The main menu after starting up is as follows;



4.1 Navigation

4.1.1 The Features of Navigation

The device employs the intelligent navigation system, which uses a GPS satellite signal receiver to position the moving vehicle precisely and display the mobile vehicle's location on the E-map. The system will automatically calculate the best route when users set the destination. The system can also provide the functions of visual maps, instant animation, and voice instruction.

4.1.2 Use of Navigation

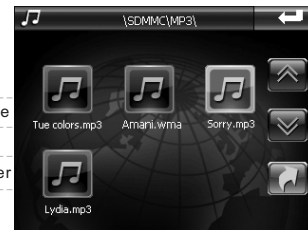
Read the navigation software instructions carefully.

4.2 Music

1. Click MUSIC icon on the main menu to enter into the audio folder. Then you will find a menu that shows "SD/MMC" or "Flash" folder. Double-click the folder to play the related file.

The function of each icon is as follows:

- ReturnReturn to the main menu
- PreviousDisplay the previous page
- NextDisplay the next page
- UpReturn to the upper level folder



2. Click CMF icon to open the Music player. Then you will find a menu that shows "SD"/"MMC" or "Flash" folder. Double-click the folder to play the related file. The function of each icon is as follows:



	Return	Return to the Main Interface
	Play	Play songs
	Pause	Pause
	Stop	Stop playing
	Repeat	Repeat all the songs
	Random	Shuffle all the songs
	Previous	Play previous song
	Next	Play next song
	Volume	Adjust volume by dragging sliding block
	Play Schedule	Adjust play schedule by dragging sliding block
	Folder	Return to Audio-Folder interface
①	Lyric Display	Display the information of current LRC lyric and play state of current song
②	Song's name Display	Display the name of the current song



Tips

【Tips】 The audio player synchronizes the lyrics To ensure proper function, copy both the music and lyric files (LRC format) to the same folder in the SD card, and make sure their names are the same.

4.3 Photo

1. Click the Photo icon on the main menu to enter the photo folder. The menu shows "SD/MMC" or "Flash" folder. Double-click the folder to play the related file.

	Esc	Return to the Main Menu
	Previous	Display the previous page
	Next	Display the next page
	Up	Return to the upper grade folder
	Forward	Play the selected photo or the Next one



2. Click file icon to open the photo browser. The menu shows "SD/MMC" or "Flash" folder. Double-click the folder to play the related file. The function of each icon is as follows:

	Esc	Return to the main interface
	Zoom Out	Zoom Out the current photo
	Zoom In	Zoom In the current photo
	Rotate	Rotate the photo 90° clockwise
	Automatic play	Play the photos from the current file in slide mode
	Previous	Browse the previous photo
	Next	Browse the next photo
	Upwards	Return to the upper grade folder



Tips

【Tips】

- In full screen mode, double-click to get back to common mode.
- After zooming in, drag the photo on screen with stylus.


4.4 E-book

1. Click "E-book" icon on the main menu to enter the E-book folder. Then you will find a menu that shows "SD/MMC" or "Flash" folder. Double-click the related folder to play the related file.

The function of each icon is as follows:


	Esc	Return to the main menu
	previous	To the previous page
	Next	To the next page
	Up	Return to the previous folder
	skip	Enter the page selection menu

①	Filename	Show the file name
②	Page No./Total pages	Current page/Total pages



3. Click the on the E-book menu to enter into the page choice menu. Then click digital key to input the needed page.

The function of each icon is as follows.



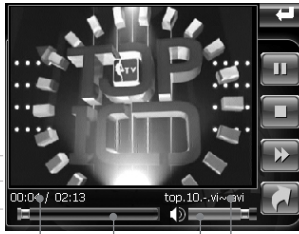
	Number bar	Show the page number
	Backspace	Delete the last number input
	Clear	Clear the number
	Skip	Skip to the page number shown

4.5 Video function

1. Click the video icon on the main menu to enter the video file.
 2. Click video icon to open the video player.
- The function of each icon is as follows:

	Esc	return to the main menu
	Play	To play the video file
	Pause	Pause playing
	Stop	Stop playing video
	Upward	Return to the previous folder
	Forward	Forward playing

①	Volume	Drag the scroll box to adjust the Volume
②	Progress	Drag the scroll box to adjust the playing progress
③	Time	Current time
④	Total time	
⑤	Current video file name	






Tips

[Tips] On the menu, double-click the play display. The display goes to full screen. On the full screen, double-click the display to return to normal mode.

4.6 System Setting



Click system icon in the main menu to set up your system, including volume, power, brightness, date, time, language, time and date, system information, touch screen calibration.

4.6.1 Volume Setting





Click volume icon to enter the volume setting menu. The user can click  and  to adjust the volume. Tap the + to increase the volume.

☐ Click "Enable sounds for taps" for a clicking sound when you touch the screen.

4.6.2 Power Setting




Click power icon to enter the power setting menu. The user can check the status bar to view the power. The user can also click  or  to set the time to automatically power off.

4.6.3 Backlight Setting

Click Brightness to enter brightness setting menu. The user can adjust the brightness by  and  or click  or  to set the time for automatic screen power-off.

4.6.4 Date Time Setting

Click Date Time to enter Date Time Setting menu. Status bar will show the time, date and time zone you set.

Click time, date, time zone to set up the time, date and time zone. You also can click ,  or  to set up the time, date and time zone. Through the GPS signals, the time setting refreshes the current time automatically. This means that the time will temporarily return to the factory setting time after the system reset. As soon as the GPS begins to navigate, the time will renew to the standard time. Please note that the time setting should be compatible with the local time.

4.6.5 Language setting

Click Language icon to set the language you need.

There are 3 languages available: English, French and Spanish.

4.6.6. System Information

Click system icon to view the detailed system information.

1. Click calibration icon in the information box to adjust the touch screen.

Click the cursor in the middle of the touch screen as the following sequence middle, left-up, left-down, right-down and right-up. Click the middle of the cursor repeatedly until the calibration is successful. Then exit.

2. Click the "GPS Reset" icon in the information box, the system will automatically clear up the Signal-to-Noise data received.

3. Click the "Factory Reset" icon in the information box, the system will automatically restore factory settings.

5. Technology Specification

Dimension	106.5*78.5*25mm	
Net Weight	176g	
System	OS	Windows CE5.0
	CPU Frequency	ARM9 application Processor@ 400MHz
	SD RAM	64M
	NAND Flash	64M-2GB(SLC)
	External Memory	MAX 4G SD/MMC
Media function	Video	ASF、AVI、MP4、3GP、WMV
	Audio	MP3、WMA、WAV
	Photo	JPEG, BMP, PNG
	E-book	TXT
Languages	3 languages available	English、French、Spanish、
Power	AC Adaptor	INPUT: AC 100-240V、OUTPUT: DC 5V /2A
	Vehicle Charger	INPUT: DC 12-24V、OUTPUT: DC 5V /1.5A
	Battery	3.7V /1300mAh
	Navigation time	2-3 hours depending upon backlight usage
	Power Saving	Automatically standby mode, screen protection (black screen)
Display	Specification	3.5" TFT-LCD, 3.5" 4-line-resistance touch screen
	Pixel	320*240 (RGB), 65K color
GPS Module	Frequency	1575.42MHz
	Channels	20 channels
	Sensitivity	-157dBm
	Precision	Position: < 10 meters
	Start-up time	Hot start: ≤3 sec, average
		Warm start: ≤38 sec, average
		Cold start: ≤43 sec, average
	Refreshing rate	1/second
Version	Map	Update the map data in SD card
Temperature	Request	-20℃-70℃
USB	USB 2.0 full speed	

6.Troubleshooting

If the device does not work properly, please inspect it according to the following procedure. If problems persist, contact our Service Center

Problem	Reason	Action
Can not power on	Low power	charge the battery
Power off suddenly	low power	charge the battery
Touch screen deflected	Calibration is not precise.	Refer to 3.6.6 to calibrate your touch screen.
No sound when playing	Too low volume	turn on the volume
	Poor connection between the earphone and device	insert the earphone properly
Cannot connect with PC	Poor connection of the USB cable	Refer to the 2.3 chapter, connect the USB cable well.
Fails to charge	AC adapter is not securely attached	check that the adapter is inserted securely, and indicator is red.
Power Key invalid, touch screen and display abnormal	The system crashes	press the reset key with stylus to restart.
Difficulty receiving GPS signal	depending on environmental conditions, the intensity of the GPS signals will vary. It may take approximately 1-3 minutes to receive the signal.	
Unable to use navigation function	Contact the Service Center.	